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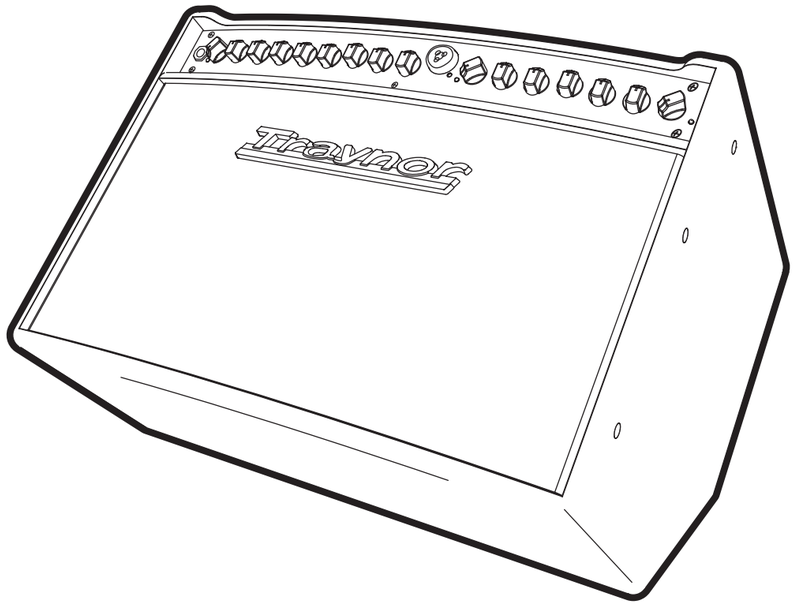
Quality and Innovation Since 1963

Printed in Canada

SERVICE MANUAL

MODEL TYPE: YS1081

Acoustic Master Standard



IMPORTANT SAFETY INSTRUCTIONS

This lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

Ce symbole d'éclair avec tête de flèche dans un triangle équilatéral est prévu pour alerter l'utilisateur de la présence d'un « voltage dangereux » non-isolé à proximité de l'enceinte du produit qui pourrait être d'ampleur suffisante pour présenter un risque de choque électrique.

CAUTION *AVIS*

RISK OF ELECTRIC SHOCK DO NOT OPEN

RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

The exclamation point within an equilatereal triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Le point d'exclamation à l'intérieur d'un triangle équilatéral est prévu pour alerter l'utilisateur de la présence d'instructions importantes dans la littérature accompagnant l'appareil en ce qui concerne l'opération et la maintenance de cet appareil.

S2125A

FOLLOW ALL INSTRUCTIONS

Instructions pertaining to a risk of fire, electric shock, or injury to a person

***CAUTION*: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).**

NO USER SERVICEABLE PARTS INSIDE.

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THIS DEVICE IS FOR INDOOR USE ONLY!

Read Instructions: The Owner's Manual should be read and understood before operation of your unit. Please, save these instructions for future reference and heed all warnings.

Clean only with dry cloth.

Packaging: Keep the box and packaging materials, in case the unit needs to be returned for service.

Warning: To reduce the risk or fire or electric shock, do not expose this apparatus to rain or moisture. *Do not use this apparatus near water!*

Warning: When using electric products, basic precautions should always be followed, including the following:

Power Sources

Your unit should be connected to a power source only of the voltage specified in the owners manual or as marked on the unit. This unit has a polarized plug. Do not use with an extension cord or receptacle unless the plug can be fully inserted. Precautions should be taken so that the grounding scheme on the unit is not defeated. An apparatus with CLASS I construction shall be connected to a Mains socket outlet with a protective earthing ground. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

Hazards

Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious personal injury and serious damage to the product. Use only with cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Follow the manufacturer's instructions when installing the product and use mounting accessories recommended by the manufacturer. Only use attachments/accessories specified by the manufacturer

Note: Prolonged use of headphones at a high volume may cause health damage on your ears.

The apparatus should not be exposed to dripping or splashing water; no objects filled with liquids should be placed on the apparatus.

Terminals marked with the "lightning bolt" are hazardous live; the external wiring connected to these terminals require installation by an instructed person or the use of ready made leads or cords.

Ensure that proper ventilation is provided around the appliance. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

No naked flame sources, such as lighted candles, should be placed on the apparatus.

Power Cord

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. The AC supply cord should be routed so that it is unlikely that it will be damaged. Protect the power cord from being walked on or pinched particularly at plugs. If the AC supply cord is damaged DO NOT OPERATE THE UNIT. To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from the AC receptacle. The mains plug of the power supply cord shall remain readily operable.

Unplug this apparatus during lightning storms or when unused for long periods of time.

Service

The unit should be serviced only by qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

SUIVEZ TOUTES LES INSTRUCTIONS

Instructions relatives au risque de feu, choc électrique, ou blessures aux personnes

***AVIS:* AFIN DE REDUIRE LES RISQUE DE CHOC ELECTRIQUE, N'ENLEVEZ PAS LE COUVERT (OU LE PANNEAU ARRIERE)**

NE CONTIENT AUCUNE PIECE REPARABLE PAR L'UTILISATEUR.

CONSULTEZ UN TECHNICIEN QUALIFIE POUR L'ENTRETIENT

CE PRODUIT EST POUR L'USAGE À L'INTÉREUR SEULEMENT

Veuillez Lire le Manuel: Il contient des informations qui devraient êtres comprises avant l'opération de votre appareil. Conservez. Gardez S.V.P. ces instructions pour consultations ultérieures et observez tous les avertissements.

Nettoyez seulement avec le tissu sec.

Emballage: Conservez la boite au cas ou l'appareil devait être retourner pour réparation.

Avertissement: Pour réduire le risque de feu ou la décharge électrique, n'exposez pas cet appareil à la pluie ou à l'humidité. *N'utilisez pas cet appareil près de l'eau!*

Attention: Lors de l'utilisation de produits électrique, assurez-vous d'adhérer à des précautions de bases incluant celle qui suivent:

Alimentation

L'appareil ne doit être branché qu'à une source d'alimentation correspondant au voltage spécifié dans le manuel ou tel qu'indiqué sur l'appareil. Cet appareil est équipé d'une prise d'alimentation polarisée. Ne pas utiliser cet appareil avec un cordon de raccordement à moins qu'il soit possible d'insérer complètement les trois lames. Des précautions doivent êtres prises afin d'eviter que le système de mise à la terre de l'appareil ne soit désengagé. Un appareil construit selon les normes de CLASS I devrait être raccordé à une prise murale d'alimentation avec connexion intacte de mise à la masse. Lorsqu'une prise de branchement ou un coupleur d'appareils est utilisée comme dispositif de débranchement, ce dispositif de débranchement devra demeurer pleinement fonctionnel avec raccordement à la masse.

Risque

Ne pas placer cet appareil sur un chariot, un support, un trépied ou une table instables. L'appareil pourrait tomber et blesser quelqu'un ou subir des dommages importants. Utiliser seulement un chariot, un support, un trépied ou une table recommandés par le fabricant ou vendus avec le produit. Suivre les instructions du fabricant pour installer l'appareil et utiliser les accessoires recommandés par le fabricant. Utilisez seulement les attachements/accessoires indiqués par le fabricant

Note: L'utilisation prolongée des écouteurs à un volume élevé peut avoir des conséquences néfastes sur la santé sur vos oreilles. .

Il convient de ne pas placer sur l'appareil de sources de flammes nues, telles que des bougies allumées.

L'appeil ne doit pas être exposé à des égouttements d'eau ou des éclaboussures et qu'aucun objet rempli de liquide tel que des vases ne doit être placé sur l'appareil.

Assurez que lappareil est fourni de la propre ventilation. Ne procédez pas à l'installation près de source de chaleur tels que radiateurs, registre de chaleur, fours ou autres appareils (incluant les amplificateurs) qui produisent de la chaleur.

Les dispositifs marqués d'une symbole "d'éclair" sont des parties dangereuses au toucher et que les câblages extérieurs connectés à ces dispositifs de connection extérieure doivent être effectivés par un opérateur formé ou en utilisant des cordons déjà préparés.

Cordon d'Alimentation

Ne pas enlever le dispositif de sécurité sur la prise polarisée ou la prise avec tige de mise à la masse du cordon d'alimentation. Une prise polarisée dispose de deux lames dont une plus large que l'autre. Une prise avec tige de mise à la masse dispose de deux lames en plus d'une troisième tige qui connecte à la masse. La lame plus large ou la tige de mise à la masse est prévu pour votre sécurité. La prise murale est désuète si elle n'est pas conçue pour accepter ce type de prise avec dispositif de sécurité. Dans ce cas, contactez un électricien pour faire remplacer la prise murale. Évitez d'endommager le cordon d'alimentation. Protégez le cordon d'alimentation. Assurez-vous qu'on ne marche pas dessus et qu'on ne le pince pas en particulier aux prises. N'UTILISEZ PAS L'APPAREIL si le cordon d'alimentation est endommagé. Pour débrancher complètement cet appareil de l'alimentation CA principale, déconnectez le cordon d'alimentation de la prise d'alimentation murale. Le cordon d'alimentation du bloc d'alimentation de l'appareil doit demeurer pleinement fonctionnel.

Débranchez cet appareil durant les orages ou si inutilisé pendant de longues périodes.

Service

Consultez un technicien qualifié pour l'entretien de votre appareil. L'entretien est nécessaire quand l'appareil a été endommagé de quelque façon que se soit. Par exemple si le cordon d'alimentation ou la prise du cordon sont endommagés, si il y a eu du liquide qui a été renversé à l'intérieur ou des objets sont tombés dans l'appareil, si l'appareil a été exposé à la pluie ou à l'humidité, si il ne fonctionne pas normalement, ou a été échappé.

AMSTANDARD Parts List 6/15/2011

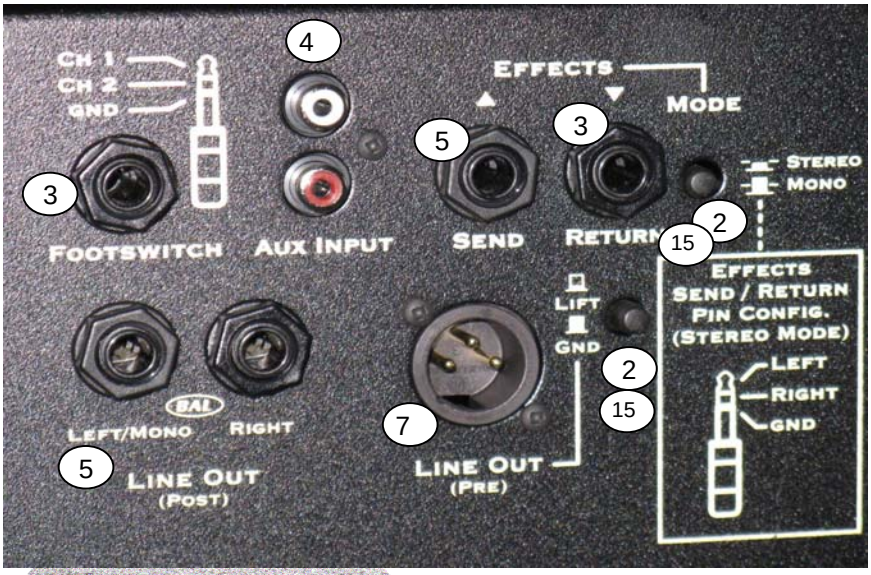
YS #	Description	Qty.	YS #	Description	Qty.	YS #	Description	Qty.
6405	RED 3MM LED 2V0 20MA BRT	8	3498	1/4" JCK PCB MT HORZ	3	8828	6-32 X 3/4 PAN PH TAPTITE JS500	7
6554	BLUE 3MM LED 3V9 20MA	1	3456	RCA DUAL PCB MT HORZ STACK W ON TOP	1	8779	1/4-20X 2 1/2 CARRIAGE BOLT ZINC	1
6438	1N4007 1000V 1A0 DIODE T&R	4	3845	1/4"&XLR PCB MT HORZ COMBO NON-LOCK	1	8868	10-32 1/2" FLAT PH 82' CS TT JS500	4
6825	1N4148 75V 0A45 DIODE T&R	18	3923	XLR MALE PCB MT HORZ MTHOLE-V SNAP	1	8786	10-32 X 1 1/4 PAN QD MS JS500 BLACK	6
6827	1N5402 200V 3A0 DIODE	8	3451	EYELET SMALL 0.089 OD PLATED	3	8770	1/4-20 X 1 5/16 TRUSS PH MS JS500	3
6459	1N4732A 4V7 1W0 ZENER 5% T&R	1	3414	INTERNATIONAL PC MOUNT FUSEHOLDER	4	7766	_15P 50V 5%CAP 0603 SMT NPO	2
6463	1N5251BRL 22V0 0W5 ZENER 5% T&R	1	2480	_0.600 AMP SLO-BLO .25X1.25 FUSE	2	7693	__1N 50V 5%CAP 0805 SMT NPO	4
6855	NJM7805FA TO220 P 5V0 REG IS V1	1	2402	T1,25A 5X20MM FUSE	1	7966	__2N7 100V 10%CAP 0805 SMT X7R	4
6856	NJM7815FA TO220 P 15V0 REG IS V1	1	8290	8.5" LEATH HANLE,BLACK METAL ENDCAP	1	7613	100N 25V 10%CAP 0805 SMT X7R	10
6857	NJM7915FA TO220 N 15V0 REG IS V2	1	7497	-4 OHM 1" TWEETER PEERLES	2	7769	__1U 50V 20%CAP 4.3X3.9 SMT ELC	10
6875	1N5359B 24V0 5W0 ZENER 5% T&R	2	3501	B52200F006 COMP WASH #4 SMALL	3	7810	_47U 16V 20%CAP 6X5.4 SMT ELE	4
5105	MPSA13 TO92 NPN DARL T&R TA	2	3909	XTR CLIP 1.2X0.5" TO220	2	7818	LM1117 REGULATOR 3V3 SMT SOT223	2
5106	MPSA63 TO92 PNP DARL T&R TA	2	3438	IEC PWR SOC W/.205TAB &FUSE 10A250V	1	7912	FV-1 SPIN SEMI REVERB SMT IC	2
5122	J109 TO92 NCH JFET T&R TC	1	3803	NYLON SECUR-A-TACH MINI PLASTIC TIE	1	7786	CD4052B DUAL 4CH MUX SMT IC	2
6789	2N3904 TO92 NPN TRAN TA	2	3810	4" NYLON CABLE TIE	7	7936-PROG	24LC32A SER EEPROM AAS1-U3 YS DFX	2
6745	LM13600N IC XCONDUCTANCE AMP	1	4147	6 PIN POWER PIN HEADER	2	7937-PROG	24LC32A SER EEPROM AAS1-U4 YS DFX	2
6757	LM3886 IC 85 WATT POWER AMP	2	4145	9PIN 3X3 POWER PIN HEADER	1	7932	07 PIN 25SQ 100 PIN SIL SMT	2
6804	MC33079P IC QUAD OP AMP	3	8286	KNOB NEW AM SERIES BLACK COLORED	6	7933	08 PIN 25SQ 100 PIN SIL SMT	2
6840	MC33078P IC DUAL OP AMP	3	8289	KNOB NEW AM SERIES IVORY COLORED	10	7913	32KHZ CRYSTAL 4-PIN FSRLF SMT	2
6882	TL072CP IC FET DUAL OP AMP	3	8636	BUTTON 230X465 RND FLAT BLK (3425)	2	7882	0W063 0R 1% 1206 SMT RES	2
6889	TL074CN IC QUAD O/A T.I ONLY	4	3428	8' 3/18 SJT AC LINE CORD REMOVABLE	1	7781	0W063 49R9 1% 0603 SMT RES	2
5402	_15P 100V 10%CAP T&R BEAD NPO	3	8288	TRAYNOR LOGO PLASTIC IVORY COLORED	1	7624	0W100 100R 1% 0805 SMT RES	2
5406	_33P 50V 10%CAP BLK BEAD NPO	2	8800	6-32 KEPS NUT ZINC	10	7853	0W250 100R 5% 1206 SMT RES	2
5199	100P 100V 2%CAP T&R RAD CER.2NPO	1	8604	10-32 T NUT	2	7621	0W100 1K0 1% 0805 SMT RES	8
5408	_47P 100V 10%CAP T&R BEAD NPO	2	8845	10-32 PEMNUT C-1032-2-Z1	2	7625	0W100 10K0 1% 0805 SMT RES	10
5410	100P 100V 10%CAP T&R BEAD NPO	4	9991	CAGE NUT 10-32 X 5/32 THK CLEAR ZNC	8	7634	0W100 20K5 1% 0805 SMT RES	4
5412	220P 100V 10%CAP T&R BEAD NPO	3	8788	1/4-20 KEPS NUT ZINC	1	3752	SNAP IN 1/4 SPACER RICHCO	4
5206	__1N 400V 5%CAP T&R RAD .2FLM	1	8898	1/4-20 CAGE NUT C79 98142027	3	8656	.171 X 1/4 NYLON SPACER #SP42	3
5208	__2N2 400V 5%CAP T&R RAD .2FLM	2	4060	SILPAD 1500ST 0.900 X 0.725BERQUIST	2	3833	8 X 3/8 (250 OD,.171 ID)NY SPACER	4
5416	470P 50V 10%CAP T&R BEAD NPO	1	4597	22AWG STRAN TC WIR JMP	26	SPK7470	6.5" WOOFER	2
5420	680P 50V 10%CAP T&R BEAD NPO	4	4599	22AWG SOLID SC WIR T&R JMP	121	3577	FIBER WASHER .625OD .380ID .03	4
5422	__1N 50V 10%CAP T&R BEAD NPO	1	2006	1.0W 1R 5%FLAME PROOF T&R RES	2	8473	#10 BLACK CUPWASHER SWF-10BK	7
5426	__2N2 50V 10%CAP T&R BEAD Y5R	3	4733	5.0W 5R6 5% BLK RES	2	8817	#10 FLAT WASHER FOR 3/16" BOLT	11
5204	_10N 100V 10%CAP T&R RAD .2FLM	1	4675	1/2W 10R 5% T&R RES	4	3425	DPDT PUSH SW PCMT BREAK B4 MAKE	2
5207	_18N 100V 5%CAP T&R RAD .2FLM	1	4875	1/4W 10R 5% T&R RES	1	3702	DPST ROKR SW 187" AC PWR SEMKO	1
5210	_22N 100V 10%CAP T&R RAD .2FLM	2	4602	1/8W 100R 5% T&R RES	2	3682	250 MALE PCB TAB REEL	13
5432	__4N7 50V 10%CAP T&R BEAD Y5R	1	4852	1/4W 100R 5% T&R RES	5	8468	VELCRO STRAP 3/4"X22CM (VELSTRAP)	1
6451	__4N7 250V 20%CAP BLK 'Y' 10MM AC	1	4770	1/4W 249R 1% T&R RES	10	CH1408U	AMSTANDARD 120/230/245 XFMR TOROID	1
5212	100N 63V 5%CAP T&R RAD .2FLM	2	4855	1/4W 330R 5% T&R RES	1			
5228	100N 100V 5%CAP T&R RAD .2FLM	1	5015	1/4W 475R 0.1% *** T&R RES	2			
5231	220N 63V 5%CAP T&R RAD .2FLM	2	4871	1/4W 560R 5% T&R RES	2			
5233	330N 63V 5%CAP T&R RAD .2FLM	1	6110	1/4W 1K0 1%MINI MF T&R RES	9			
5234	470N 63V 10%CAP T&R RAD .2FLM	1	4824	1/4W 1K5 5% T&R RES	1			
5242	100N 250V 20%CAP BLK 'X2' 15MM AC	1	4993	1/4W 1K87 1% T&R RES	2			
5310	_68N 50V 10%CAP T&R BEAD X7R	4	4808	1/4W 2K 5% T&R RES	12			
5314	100N 50V 10%CAP T&R BEAD X7R	26	4847	1/4W 2K2 5% T&R RES	3			
5322	470N 50V 20%CAP T&R BEAD Z5U	2	4883	1/4W 2K49 1% T&R RES	2			
5240	680N 63V 10%CAP T&R RAD .2FLM	1	6114	1/4W 2K49 1%MINI MF T&R RES	8			
5255	__1U 63V 20%CAP T&R RAD .2EL	1	4804	1/4W 3K 5% T&R RES	2			
5256	__1U 63V 5%CAP T&R RAD .2FLM	7	4826	1/4W 3K3 5% T&R RES	6			
5257	__2U2 63V 20%CAP T&R RAD .2EL	6	4827	1/4W 4K7 5% T&R RES	4			
5259	__4U7 63V 20%CAP T&R RAD .2	3	4639	1/4W 4K99 1% T&R RES	16			
5269	__4U7 100V 20%CAP T&R RAD LESR2	1	4893	1/4W 5K1 5% T&R RES	1			
5933	__4U7 100DC10%CAP BLK RAD POLYE FLM	2	4828	1/4W 6K8 5% T&R RES	3			
5260	_22U 50V 20%CAP T&R RAD .2EL	2	4863	1/4W 8K2 5% T&R RES	2			
5945	_10U 63V 20%CAP T&R RAD .2EL	4	4800	1/4W 10K0 1% T&R RES	52			
5961	_33U 16V 20%CAP T&R RAD .2IN NP	2	4830	1/4W 15K 5% T&R RES	7			
5267	100U 25V 20%CAP T&R RAD .2EL	1	6123	1/4W 20K0 1%MINI MF T&R RES	7			
5616	3300U 50V 20%CAP BLK 18X35MM EL	2	4890	1/4W 30K 5% T&R RES	1			
5635	1000U 35V 20%CAP BLK RADIAL ELECT	2	4834	1/4W 47K 5% T&R RES	3			
4523	ROT BIN HOR 20MM 4BIT ENCODER P31	2	4803	1/4W 49K9 1% T&R RES	10			
4417	_10K 5B LIN 9MM HORIZONTAL P28	5	4836	1/4W 68K 5% T&R RES	1			
4418	_10K 5C R/A 9MM HORIZONTAL P28	1	4837	1/4W 82K 5% T&R RES	2			
4453	_50K B LIN 12MM 4PIN HORZ DT P40	6	4838	1/4W 100K 5% T&R RES	12			
4419	100K B LIN 12MM HORIZONTAL STP27	2	4849	1/4W 180K 5% T&R RES	1			
3804	SNAP ON 1.500" INSULATING BUSHING	1	4841	1/4W 220K 5% T&R RES	1			
3785	_150UH COIL 22AWG R000 BOBBIN	2	4874	1/4W 560K 5% T&R RES	2			
8547	PLASTIC FOOT BLACK, POLYETHYLENE	8	4844	1/4W 1M 5% T&R RES	6			
8570	CORNER,2 LEGS NOTCED BLACK POWDER C	6	8842	#4 X 5/16 PAN QUAD TYPE A JS500 BLK	5			
8630	2 X 2.50 ROLLED EDGE PORT TUBE	2	8784	#6 X 7/16 PAN QUAD FRAME BLACK PHOS	2			
3462	CLIP 110X032 18-22AWG DISCO/INSL	2	8755	#6 X 5/8 PAN QUAD TY A JS500 BLACK	8			
3478	CLIP 205/187X032 18-22AWG DISCO/INS	7	8767	#8 X 3/4 PAN QUAD TYPE A JS500 BLK	3			
3486	CLIP 250X032 22-18AWG DISCO-LOK	3	8722	#8 X 1" PAN QUAD TYPE AB B/O	5			
3489	CLIP 250X032 18-22AWG DISCO/INSL	9	8753	#10 X 1/2 PAN QUAD TY A JS500 BLACK	20			
3490	CLIP 250X032 14-16AWG DISCO/INSL	1	8756	#10 X 3/4 PAN PH TYPE A BLACK OXIDE	8			
3491	CLIP 205/187X020 18-22AWG DISCO/INS	2	8781	#10 X 7/8 FLAT QUAD TYPE A JS500BLK	8			
3494	CLIP 205/187X020 14-16AWG DISCO/INS	2	9982	4-40X5/16 SOCKET HEAD CAP SCREW	4			
3601	RING TERMINAL 16AWG WIRE & #8 SCREW	3	8742	4-40 X 3/8 PAN PH TAPTITE JS500	4			
9925	TINNERMAN CLIP 1/8" STUD SIZE ROUND	3	8801	6-32 X 3/8 PAN PH TAPTITE JS500	3			
3450	1/4" JCK PCB MT ALL-GOLD SKT	3	8829	6-32 X 3/8 FLAT PH TAPTITE BO#C HEA	12			

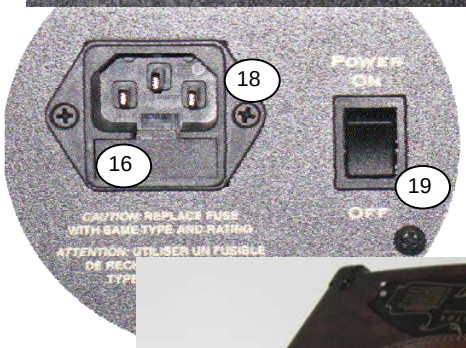
AMSTANDARD Quick Guide

Real Gear. Real People.

*NOT SHOWN

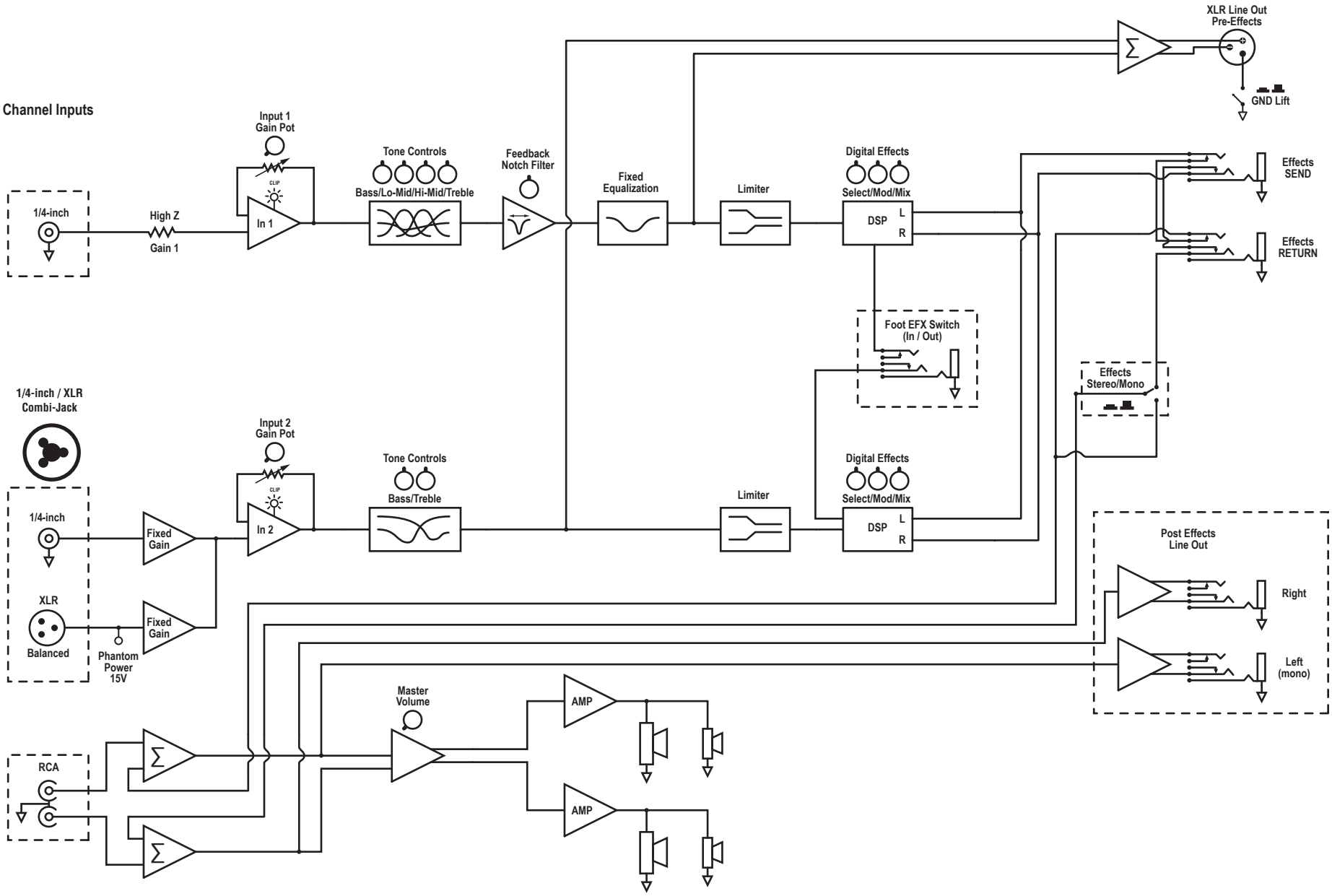
	PART#	DESCRIPTION
1*	2480	0.600 AMP SLO-BLO .25X1.25 FUSE
2	3425	DPDT PUSH SW PCMT BREAK B4 MAKE
		Mode & Lift/Gnd Push Switches
3	3450	1/4" JCK PCB MT ALL-GOLD SKT
		Effects Rtn & Foot Switch & Ch 1 Input
4	3456	RCA DUAL PCB MT HORZ STACK W ON
		Aux Input
5	3498	1/4" JCK PCB MT HORZ
		Effects Send & Line Out (Post)
6	3845	1/4"&XLR PCB MT HORZ COMBO
		Channel 2 Input
7	3923	XLR MALE PCB MT HORZ MTHOLE-V
		Line Out (Pre)
8	4417	10K 5B LIN 9MM HORIZONTAL
		CH1 Gain & Effects Modify (CH1 & CH2) *Wet/Dry (CH1 & CH2)*
9	4418	10K 5C R/A 9MM HORIZONTAL
		Channel 2 Gain
10	4419	100K B LIN 12MM HORIZONTAL STP2
		Feedback Notch & Master
11	4453	50K B LIN 12MM 4PIN HORZ DT
		Bass(1&2)/Low-mid/Hi-mid/Treble(1&2)
12	4523	ROT BIN HOR 20MM 4BIT ENCODER
		Effects Select (CH 1 & 2)
13	6405	RED 3MM LED 2V0 20MA BRT
14	6554	BLUE 3MM LED 3V9 20MA
15	8636	BUTTON 230X465 RND FLAT BLK (3425)
		Mode & Lift/Gnd Push Switches
16	2402	T1,25A 5X20MM FUSE
17	3428	8' 3/18 SJT AC LINE CORD REMOVABLE
18	3438	PWR INLET & FUSE DRAWER
19	3702	DPST ROKR SW 187" AC PWR
20	8289	KNOB NEW AM SERIES IVORY
21	8286	KNOB NEW AM SERIES BLACK
22*	SPK7470	6.5" WOOFER
23*	7497	4 OHM 1" TWEETER PEERLES
24*	8288	TRAYNOR LOGO PLASTIC IVORY
25	8290	8.5"BROWN LEATHR HNDLE BLK MET
26	8468	VELCRO STRAP 3/4"X22CM
27	8473	#10 BLACK CUPWASHER SWF-10BK
28*	8547	PLASTIC FOOT BLACK
29*	8630	2 X 2.50 ROLLED EDGE PORT TUBE





Block Diagram for Acoustic Master Standard

DESIGNED AND MANUFACTURED BY YORKVILLE SOUND



BLOCK-DIAG-AM-STANDRAD-00-1v0

INPUT 1
J2
S
R
T
Gold
C2
10N
100V
R4
1/4W
10K0
R3
1M
100P
C3
100V
U1:A
TL072
100K
R10
100P
C4
MINI
1K0
R8
R9
1K0
MINI
4U7
C6
63V
4U7
C7
63V
CH-1 GAIN
10K
P1:A
5B LIN
4417
33U
C15
16V
D13
4148
5W0
24V0
ZD2
1N5359B
1N5359B
ZD1
24V0
5W0
R182
100R
W15
GRN
CHASSIS_GND
MC33078P
U3:B
R38
3K3
LOW
50K
P2:A
B
R46
3K3
R47
47K
100V
22N
C11
R48
47K
R45
3K3
B
4453
50K
P3:A
LOW-MID
R51
2K
C10
2N2
50V
C17
2N2
50V
R54
3K3
B
4453
50K
P4:A
HIGH
R48A
3K3
C16
1N
50V
C12
15P
100V
TL072
U1:B
R7
6K8
C20
4N7
50V
HI-MID
50K
P9:A
B
4453
R13
6K8
2N2
C22
50V
R36
560K
C23
100P
100V
R20
560K
MC33078P
U3:A
D6
4148
220K
R31
30K
R65
MPSA13
Q10
TO92
4148
D26
6405
RED
LD2
1K5
R70
+15V
D31
4148
50V
100N
C46
C100
1U
63V
D60
4148
R83
15K
C64
18N
100V
C66
2N2
400V
C62
470N
63V
C63
680N
63V
TLO74CN
U6:D
R84
3K
R85
3K
R86
2K
R87
2K
TLO74CN
U6:C
330R
R90
63V
330N
C65
2N2
C67
400V
10K0
R89
SG
R1
10K0
R123
10K0
C1
15P
100V
R15
10K0
TLO74CN
U6:B
C19
33U
16V
R25
10K0
R26
10K0
TLO74CN
U6:A
R27
249R
C53
22U
50V
R145
100K
LINE OUT
J8
C79
470P
50V
R93
10K0
R24
249R
C54
22U
50V
R21
10K0
R146
100K
R80
10K0
R14
10K0
R82
10K0
R12
10K0
FREQ
P6:A
4419
100K
B LIN
R44
10K0
C60
100N
63V
FREQ
P6:B
4419
100K
B LIN
R81
10K0
C61
22N
100V
R137
10K0
U5:A
MC33079P
R43
5K1
U5:B
MC33079P
U5:C
MC33079P
U5:D
R41
10K0
R42
10K0
R50
4K7
R40
100K
Out
S1:B
Com
In
AMP[P7]
NET00061
R136
10R
R181
1K0
MINI
100U
C88
25V
J3:B
INPUT 2
XLR/1/4in
RING
TIP
SLV
R19
4K99
R5
475R0
0.1%
R37
249R
C13
220P
100V
R34
4K99
MC33079P
U8:A
63V
10U
C86
R57
1M
220P
C24
100V
R153
1K87
J3:A
INPUT 2
XLR/1/4in
GND
R154
1K87
R58
1M
220P
C31
100V
63V
10U
C87
R11
4K99
R6
475R0
0.1%
R56
249R
R49
4K99
R94
10K0
R95
10K0
R96
10K0
R105
10K0
MC33079P
U8:D
3K3
R52
CH-2 GAIN
P10:A
4418
5C R/A
10K
U8:B
MC33079P
R53
6K8
R59
1K0
MINI
100K
R18A
68K
R65A
MPSA13
Q10A
TO92
6405
RED
LD1
MINI
1K0
R35
+15V
4148
D26A
D25
4148
50V
100N
C27
4148
D5
4148
D10
R60
2K
R61
4K7
C89
100N
63V
LOW
50K
P11:A
B
4453
R62
4K7
R63
47K
C33
15P
100V
C9
1N
400V
R64
2K2
B
4453
50K
P12:A
HIGH
MC33079P
U8:C
CH1-OUT
CH1-EFX[B3]
CH2-OUT
CH2-EFX[B3]
+15V
-15V
U1:C
50V
C43
100N
U3:C
U5:E
100N
C152
50V
U6:E
100N
C71
50V
U8:E
50V
C150
100N
50V
C45
100N
100N
C57
50V
100N
C72
50V
100N
C82
50V

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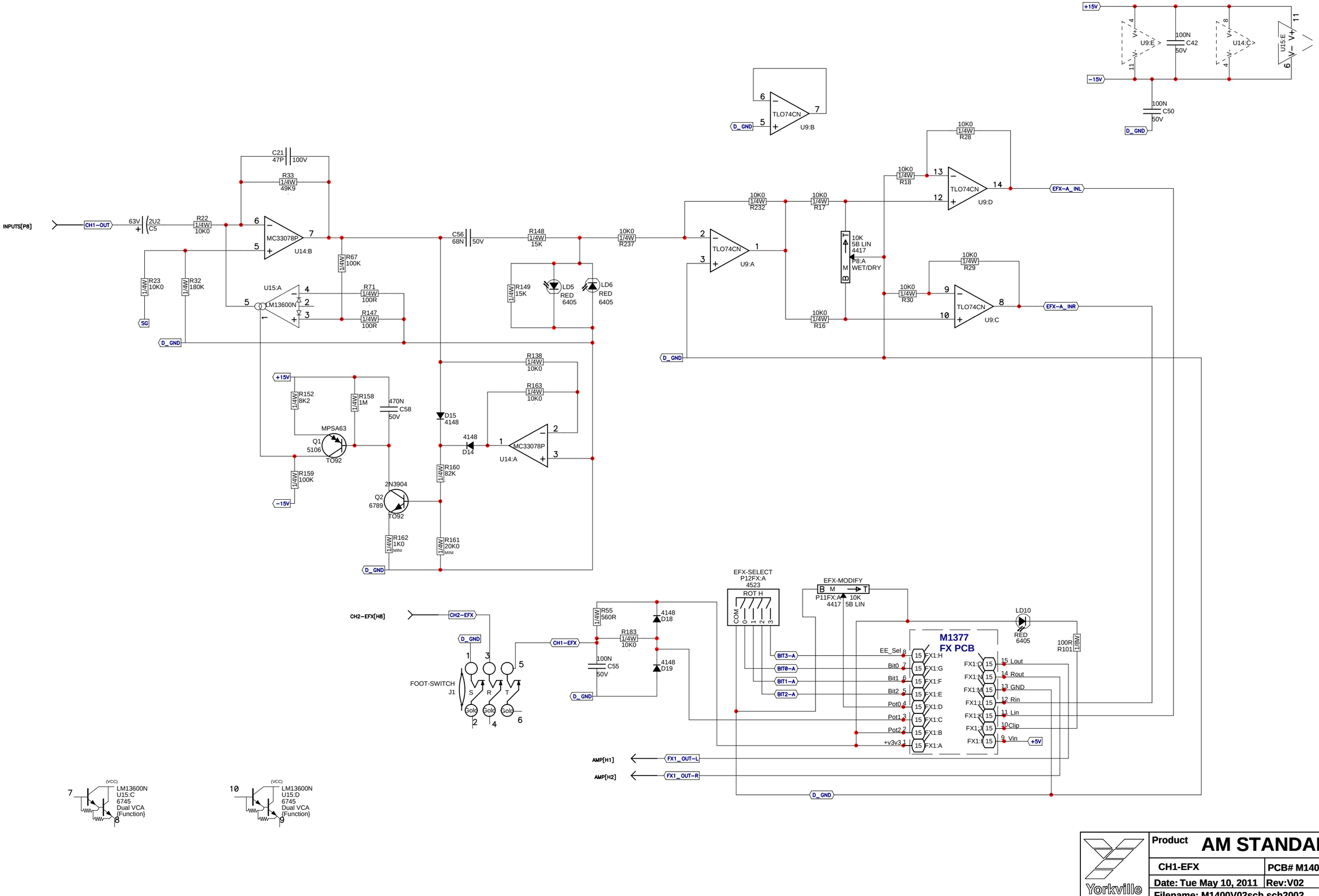
Product	**AM STANDARD**	
INPUTS	PCB# M1400	Sheet 1 of 5
Date: Tue May 10, 2011	Rev:V02	YsType:YsType
Filename: M1400V02sch.sch2002		



Product	**AM STANDARD**
CH1-EFX	PCB# M1400 — Sheet 2 of 5
Date: Tue May 10, 2011	Rev:V02 — YsType:YsType
Filename: M1400V02sch.sch2002	

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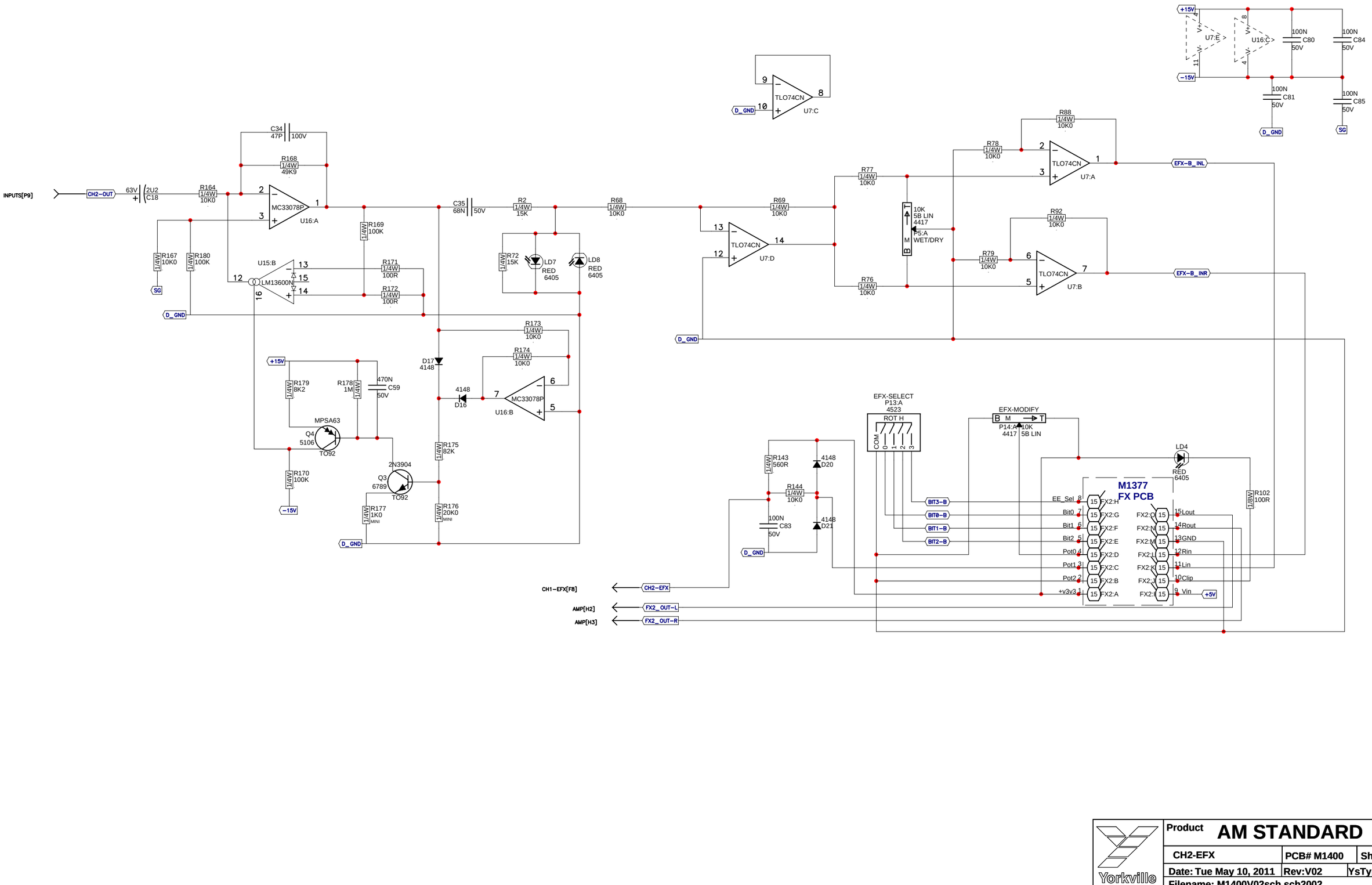

Product	**AM STANDARD**		
CH2-EFX	PCB# M1400	Sheet 3 of 5	
Date: Tue May 10, 2011	Rev:V02	YsType:YsType	
Filename: M1400V02sch.sch2002			

CH1-EFX[I10]
FX1_OUT-L
R113 1/4W 4K99
R114 1/4W 4K99
CH2-EFX[H8]
FX2_OUT-L
R111 1/4W 4K99
D_GND
MC33079P
U11:A
pin1
pin3
R117 1/4W 2K
R119 1/4W 2K
R66 1/4W 2K
MC33079P
U11:D
R165 1/4W 2K
CH1-EFX[I10]
FX1_OUT-R
R115 1/4W 4K99
R116 1/4W 4K99
CH2-EFX[H8]
FX2_OUT-R
R112 1/4W 4K99
MC33079P
U11:B
pin2
R118 1/4W 2K
R120 1/4W 2K
R73 1/4W 2K
MC33079P
U11:C
R166 1/4W 2K
IG
R99 1/4W 249R
R100 1/4W 249R
EFX-SEND
J11
EFX-RTN_MONO/STEREO
S3:A
S3:B
Out
Com
In
J10
EFX-RTN
R106 1/4W 49K9
C38 100P 100V
49K9 1/4W R141
R103 1/4W 49K9
49K9 1/4W R107
TL072
U10:B
63V 2U2 C36
R97 1/4W 2K49 MINI
R156 1/4W 20K0 MINI
LEFT-INPUT
R151 1/4W 2K49 MINI
TLO74CN
U4:C
100K B LIN 4419
P7:B MASTER
R74 1/4W 4K99
R75 1/4W 10K0
TLO74CN
U4:D
C68 68N 50V
R157 1/4W 10K0
R238 1/4W 2K49
R239 1/4W 20K0 MINI
J7
AUX-INPUT
STACKED
R108 1/4W 49K9
C39 100P 100V
49K9 1/4W R142
R104 1/4W 49K9
49K9 1/4W R109
TL072
U10:A
63V 2U2 C37
R98 1/4W 2K49 MINI
R155 1/4W 20K0 MINI
RIGHT-INPUT
R150 1/4W 2K49 MINI
TLO74CN
U4:B
100K B LIN 4419
P7:A MASTER
R140 1/4W 10K0
R139 1/4W 4K99
TLO74CN
U4:A
C157 68N 50V
R91 1/4W 10K0
R240 1/4W 2K49
R241 1/4W 20K0 MINI
AG_L
AG_R
R124 1/4W 4K99
R125 1/4W 4K99
R132 1/4W 2K49 MINI
TL072
U13:A
R128 1/4W 249R
R133 1/4W 2K49 MINI
249R 1/4W R130
J6
L-LINE OUT
R126 1/4W 4K99
R127 1/4W 4K99
R134 1/4W 2K49 MINI
TL072
U13:B
R129 1/4W 249R
R135 1/4W 2K49 MINI
249R 1/4W R131
J12
R-LINE OUT
63V 1U C21B
+40VDC
R20B 1K0 MINI
4007 D5B
63V C17B 10U
R22B 1/4W 15K
680P C16B 50V
LM3886
U4B
R13B 100K
680P C15B 50V
63V 1U C22B
-40VDC
POWER SUPPLY[P1]
TURN_ON
63V 1U C21A
+40VDC
R20A 1K0 MINI
4007 D5A
63V C17A 10U
R22A 1/4W 15K
680P C16A 50V
LM3886
U4A
R13A 100K
680P C15A 50V
63V 1U C22A
-40VDC
L-WOOFER W9 BLU
L-WOOFER W27 BLU
L-WOOFER W21 BLU
C69 4U7 100V
L-TWEETER W24 WHT
R110 5.0W 5R6
R25B 10R 1/2W
R23B 10R 1/2W
220N C23B 63V
SP1 #SPK7470 WOOFER
L2 150UH
SP4 #7497 HORN
SPKR-AG
BLK W8
AG
R-WOOFER W13 RED
R-WOOFER W28 RED
R-WOOFER W25 RED
C70 4U7 100V
R-TWEETER W12 YEL
R24A 5.0W 5R6
10R R23A 1/2W
10R R25A 1/2W
63V C23A 220N
SP2 #SPK7470 WOOFER
L1 150UH
SP3 #7497 HORN
W6 BLK -SPKR
AG
Out
Com
In
S1:A
GROUND LIFT
INPUTS[P7]
+15V
-15V
U10:C
U11:E
U13:C
U4:E
100N C75 50V
100N C77 50V
100N C73 50V
100N C40 50V
100N C76 50V
100N C78 50V
100N C74 50V
100N C41 50V

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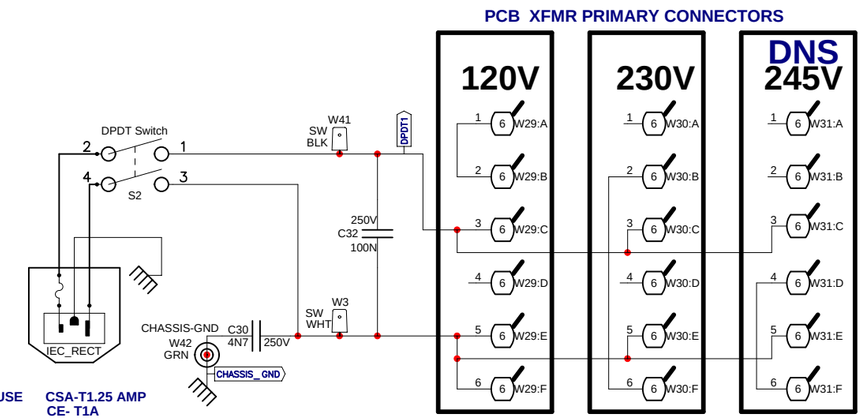
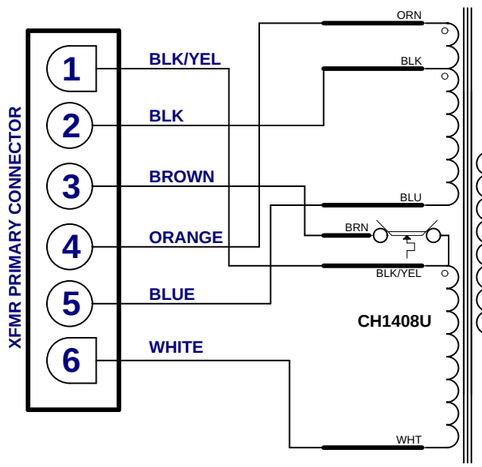
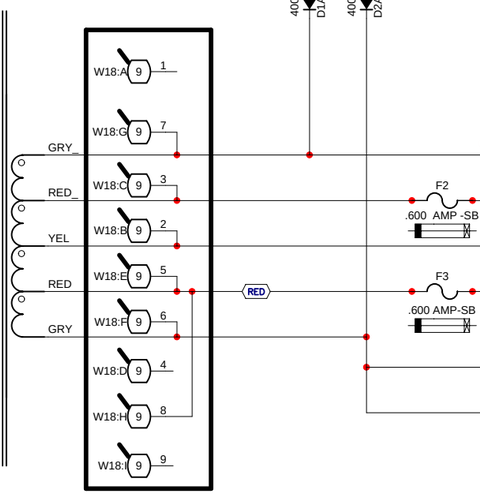
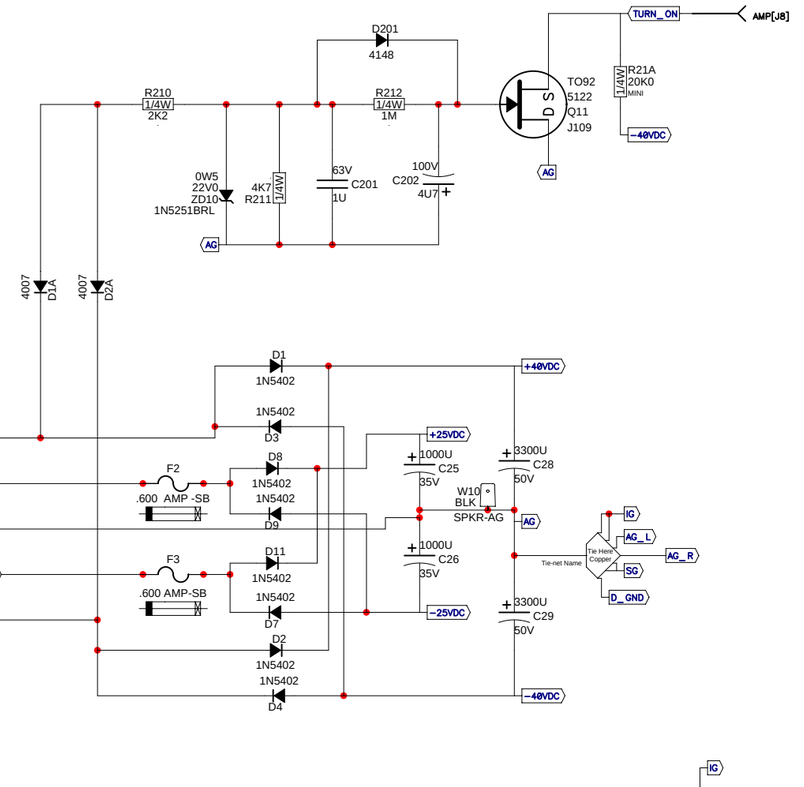
Product	**AM STANDARD**	
AMP	PCB# M1400	Sheet 4 of 5
Date: Tue May 10, 2011	Rev:V02	YsType:YsType
Filename: M1400V02sch.sch2002		

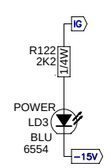


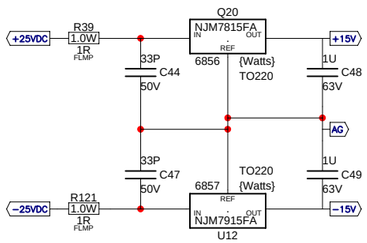
FUSE CSA-T1.25 AMP
CE- T1A

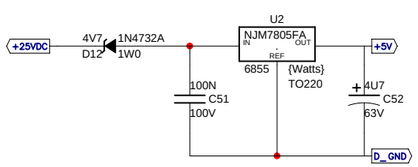


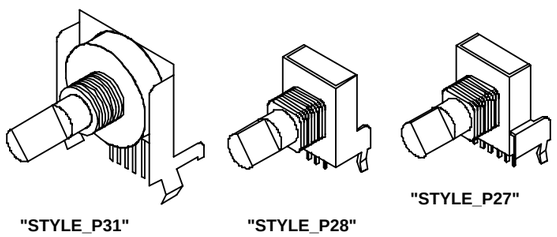








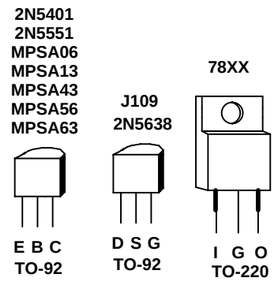


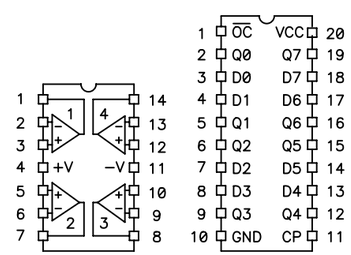

"STYLE_P31" "STYLE_P28" "STYLE_P27"

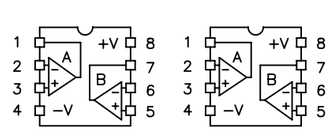
EC7

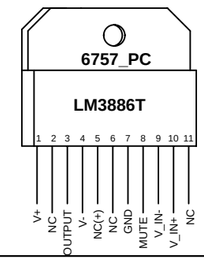
M1400				
MODEL(S):-	AM STANDARD			
REF	FUNCTION	PART#	KNOB	{NEW}
P1	CH-1 GAIN	4417	8289	N
P2	LOW	4453	8289	N
P3	LOW-MID	4453	8289	N
P4	HIGH	4453	8289	N
P5	WET/DRY	4417	8286	N
P6	FREQ	4419	8289	N
P7	MASTER	4419	8289	N
P8	WET/DRY	4417	8286	N
P9	HI-MID	4453	8289	N
P10	CH-2 GAIN	4418	8289	N
P11	LOW	4453	8289	N
P11FX	EFX-MODIFY	4417	8286	N
P12	HIGH	4453	8289	N
P12FX	EFX-SELECT	4523	8286	N
P13	EFX-SELECT	4523	8286	N
P14	EFX-MODIFY	4417	8286	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N

M1400			
MODEL(S):-	AM STANDARD		
#	DATE	VER#	DESCRIPTION OF CHANGE
1	SEPT-8-2009	1.00	RELEASED FOR PRODUCTION
2	09-OCT-2009	1.1	PC7869: C64 value change #5272 to #5207
3	03MAY2010	V11	PC8088: Change TO220 holes from 40 to 47mil GG
4	19APR2011	V02	PC8228: CHANGE C202 TO #5269 GG
5	D	V	PC8238: REPLACE #5991 WITH #6405 GG
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N









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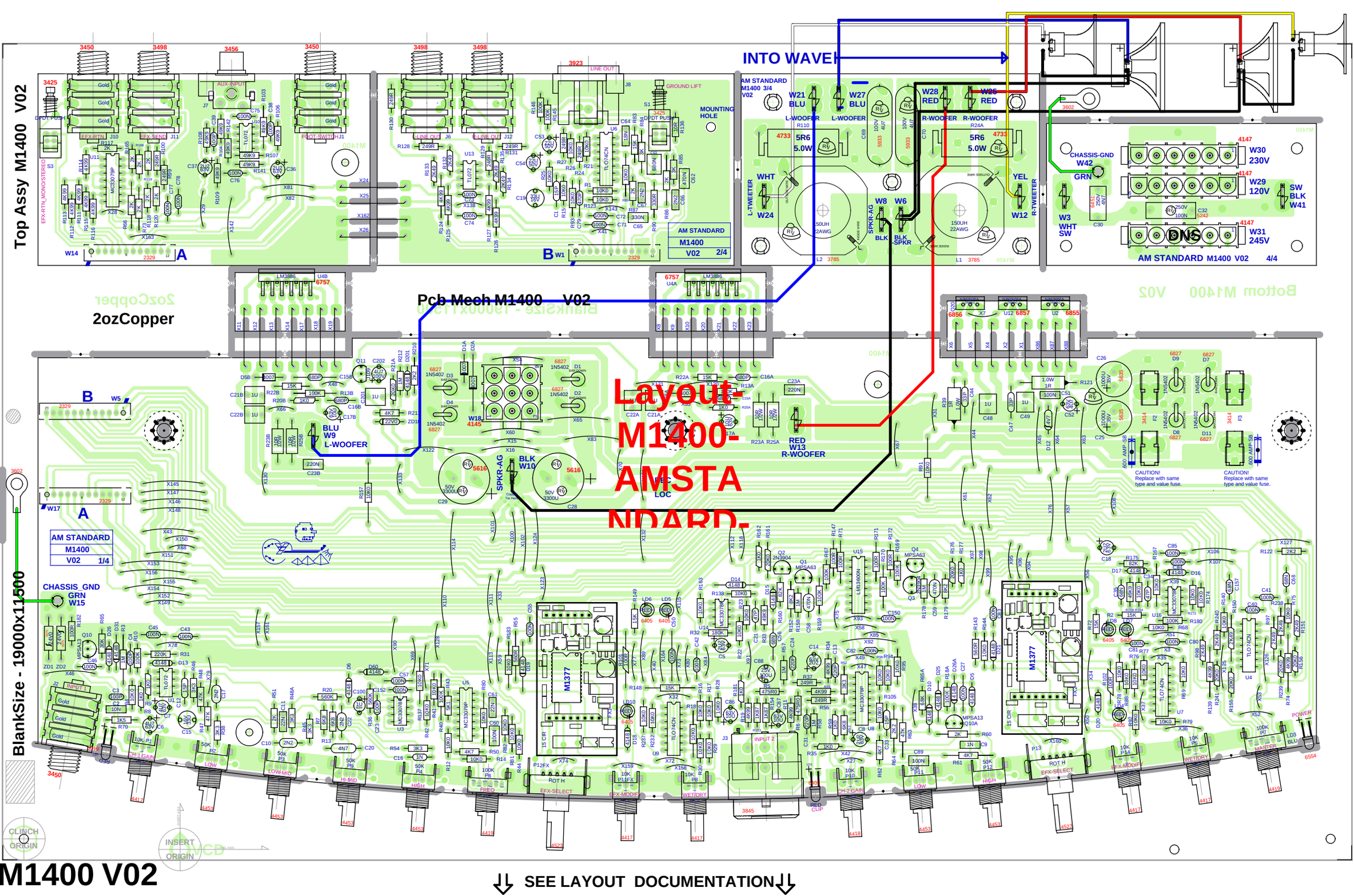
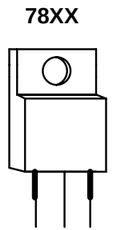
Product	AM STANDARD	
POWER SUPPLY	PCB# M1400	Sheet 5 of 5
Date: Tue May 10, 2011	Rev:V02	YsType:YsType
Filename: M1400V02sch.sch2002		


Top Assy M1400 V02
BlankSize - 19000x11500
2ozCopper
Pcb Mech M1400 V02
Layout-M1400-AMSTA NDARD-
INTO WAVE
AM STANDARD M1400 V02 1/4
AM STANDARD M1400 V02 2/4
AM STANDARD M1400 V02 4/4
L-WOOFER
R-WOOFER
L-TWEETER
R-TWEETER
SPKR-AG
CHASSIS-GND
W42
GRN
W30 230V
W29 120V
W31 245V
SW BLK W41
WHT SW
BLU W9 L-WOOFER
RED W13 R-WOOFER
BLK W10
W17
W15
CHASSIS_GND
CAUTION! Replace with same type and value fuse.
M1377
M1400 V02
SEE LAYOUT DOCUMENTATION

⇧ SEE LAYOUT DIAGRAM ⇧

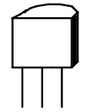
M1400			
MODEL(S):-	AM STANDARD		
#	DATE	VER#	DESCRIPTION OF CHANGE
1	SEPT-8-2009	1.00	RELEASED FOR PRODUCTION
2	09-OCT-2009	1.1	PC7869: C64 value change #5272 to #5207
3	03MAY2010	V11	PC8088: Change TO220 holes from 40 to 47mil GG
4	19APR2011	V02	PC8228: CHANGE C202 TO #5269 GG
5	D	V	PC8238: REPLACE #5991 WITH #6405 GG
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N

M1400				
MODEL(S):-	AM STANDARD			
REF	FUNCTION	PART#	KNOB	{NEW}
P1	CH-1 GAIN	4417	8289	N
P2	LOW	4453	8289	N
P3	LOW-MID	4453	8289	N
P4	HIGH	4453	8289	N
P5	WET/DRY	4417	8286	N
P6	FREQ	4419	8289	N
P7	MASTER	4419	8289	N
P8	WET/DRY	4417	8286	N
P9	HI-MID	4453	8289	N
P10	CH-2 GAIN	4418	8289	N
P11	LOW	4453	8289	N
P11FX	EFX-MODIFY	4417	8286	N
P12	HIGH	4453	8289	N
P12FX	EFX-SELECT	4523	8286	N
P13	EFX-SELECT	4523	8286	N
P14	EFX-MODIFY	4417	8286	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N



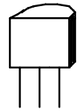
78XX

I G O
TO-220



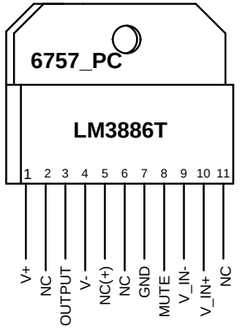
2N5401
2N5551
MPSA06
MPSA13
MPSA43
MPSA56
MPSA63

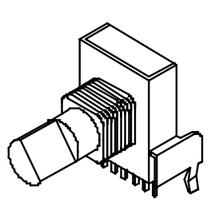
E B C
TO-92



J109
2N5638

D S G
TO-92





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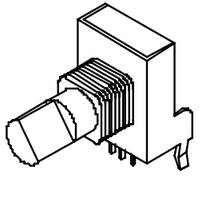

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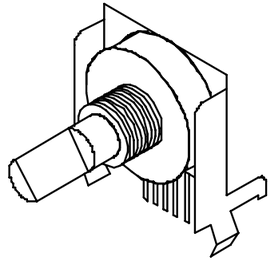
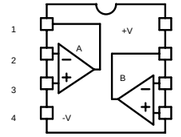
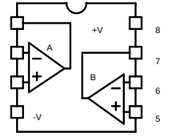


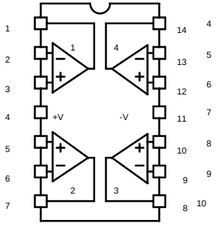
"STYLE_P31"



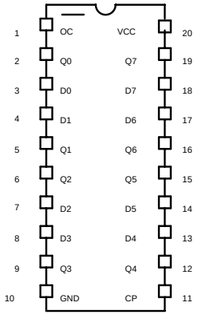
6882_PC
TL072CP



6840_PC
MC33078P



6889_PC
TL074CN



6943_PC
74HC374N

⇧ SEE LAYOUT DIAGRAM ⇧

M1400 V02 PRODUCTION NOTES

1. RTV ALL 0.2" ELECTROLITIC CAPS.
2. CUT METAL PIN ON J8 XLR SEE DRAWING.
3. PCBSA: DO NOT BREAK OUT BOARD BEFORE TESTING.

XLR_FIX